

ABSTRACT OF THE DISCLOSURE

In a method for producing a homopolyester or copolyester obtainable from at least one cyclic monomer, the at least one cyclic monomer is polymerized in the presence of an initiator. The initiator is selected from organo-tin compounds, tin carboxylates, and tin alkoxides of the oxidation state II or IV that may contain optionally hydroxy groups. At the latest at a point in time when a desired degree of polymerization is reached, a phosphinic acid and/or a phosphinic derivative of the formula $(R_1)(R_2)P(=O)X$ is added, wherein R_1 and R_2 each are independently of one another hydrogen, alkyl, aryl, or hetero aryl, and X is $-OR_3$ or $-NR_1R_2$, wherein R_3 is hydrogen, alkyl, aryl, M' or $\frac{1}{2}M''$ and M' is an alkali metal ion and M'' is an alkaline earth metal ion and wherein the substituents R_1 and R_2 have the meaning indicated above.